

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: MELNIK, Y., et al.

Group Art Unit: 1763

Application Serial No.: 10/632,736

Examiner: MOORE, Karla A.

Filed: August 1, 2003

Title: REACTOR FOR EXTENDED  
DURATION GROWTH OF GALLIUM  
CONTAINING SINGLE CRYSTALS

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with Applicant(s)'s duty under 37 CFR § 1.56, Applicant(s) hereby submit(s) the attached form(s) to bring information to the attention of the Examiner:

☐ PTO-1449☒ PTO/SB/08A☐ PTO/SB/08B

The information identified in this Information Disclosure Statement (IDS), including the attached form(s), may or may not be "material" pursuant to 37 CFR § 1.56, and the submission thereof by Applicant(s) shall not be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 U.S.C. §§102-103 with respect to this invention unless specifically designated by Applicant(s) as such.

The filing of this IDS shall not be construed to mean that a search has been made or that no other material information, as defined in 37 CFR § 1.56, exists.

**PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:**☐ A check in the amount of \_\_\_\_\_ is enclosed.

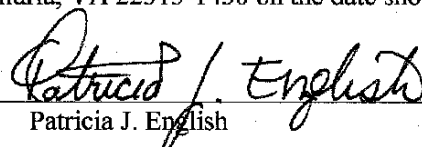
☒ The Commissioner is authorized to charge all fees due for the filing of this IDS, and to credit any overpayment, to **Deposit Account No. 50-1105** (Vista IP Law Group LLP). Applicant(s) believe(s) the total fee due is \$0.

## CERTIFICATE OF TRANSMISSION

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being transmitted to Mail Stop Amendment, Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450 on the date shown below via the USPTO EFS-Web filing system.

February 12, 2007

Date of transmission

  
Patricia J. English

**STATEMENT UNDER 37 CFR § 1.97(e)**

Applicant(s) make the following statement(s), if checked below, which the U.S. Patent Office may or may not determine to be required for the filing of this IDS in accordance with 37 CFR §§ 1.97 and 1.98.

- ☐ Each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
- ☐ No item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

Dated: February 12, 2007

Respectfully submitted,

By: 

Gary D. Lueck

Reg. No. 50,791

**USPTO CUSTOMER NO.: 23410**

VISTA IP LAW GROUP LLP  
2040 Main Street, 9<sup>th</sup> Floor  
Irvine, CA 92614  
Telephone: (714) 449-8433  
Facsimile: (949) 625-8955

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/632,736
Filing Date	August 1, 2003
First Named Inventor	Yuri V. Melnik
Art Unit	1763
Examiner Name	Karla A. Moore
Attorney Docket Number	TDI-011-US3 (700623-3003)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-5,362,683	11-08-1994	Takenaka et al.	
	2	US-5,656,552	08-12-1997	Hudak et al.	
	3	US-5,993,542	11-30-1999	Yanashima et al.	
	4	US-6,086,673	07-11-2000	Molnar	
	5	US-6,143,859	11-07-2000	Leem	
	6	US-6,179,913	01-30-2001	Solomon et al.	
	7	US-6,218,269	04-17-2001	Nikolaev	
	8	US-6,440,823	08-27-2002	Vaudo et al.	
	9	US-6,573,164	06-03-2003	Tsvetkov et al.	
	10	US-6,656,272	12-02-2003	Tsvetkov et al.	
	11	US-6,660,083	12-09-2003	Tsvetkov et al.	
	12	US-6,890,809	05-10-2005	Karpov et al.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.